



Formosa Plastics®

Formolon® PVC

Formolon®-34

PVC Homopolymer Dispersion Resin

F-34 is a low molecular weight PVC homopolymer dispersion resin which has been developed primarily for use in chemically expanded compound. In expanded systems, the product exhibits a fine uniform cell structure in a variety of formulations and over a wide range of processing conditions.

TYPICAL RESIN PROPERTIES

Relative Viscosity	estimated	2.24
Inherent Viscosity	ASTM D5225	0.94
K-Value	Fikentscher's Constant	67
Volatiles	ASTM D3030	0.5%
Methanol Extract	ASTM D2222	2.5 %

TYPICAL PLASTISOL¹ PROPERTIES

Brookfield Viscosity	ASTM D1824	2 rpm aged 2 hrs	220 poise
		20 rpm aged 2 hrs	105 poise
Severs Viscosity	ASTM D1823	100 psig aged 2 hrs	250 poise
Gelation Temperature			152 °F

1. 500 gm resin and 300 gm DOP, Hobart mixer mixed 5 min. @ No. 1 speed and 10 min. @ No. 2 speed, undeaerated.

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